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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/688,899	10/21/2003	Chang-Hsin Kuo	MR2723-173/DIV	3756
7:	590 11/17/2004		EXAM	INER .
Asian Pacific INT'L P&T Office			SMITH, JULIE KNECHT	
SUITE 101 3458 ELLICOTT CENTER DRIVE		ART UNIT	PAPER NUMBER	
ELLICOTT CITY, MD 21043			3682	
			DATE MAIL ED. 11/17/200	4

Please find below and/or attached an Office communication concerning this application or proceeding.

	Application No. Applicant(s)					
	10/688,899	KUO ET AL				
Office Action Summary	Examiner	Art Unit				
	Julie K Smith	3682				
The MAILING DATE of this communication appears on the cover sheet with the correspondence address Period for Reply						
A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION. - Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication. - If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely. - If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication. - Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).						
Status						
1) Responsive to communication(s) filed on 21 Oc	ctober 2003.					
<u> </u>						
3) Since this application is in condition for allowance except for formal matters, prosecution as to the ments is closed in accordance with the practice under <i>Ex parte Quayle</i> , 1935 C.D. 11, 453 O.G. 213.						
Disposition of Claims						
4) ☐ Claim(s) 1 and 18-21 is/are pending in the application. 4a) Of the above claim(s) is/are withdrawn from consideration. 5) ☐ Claim(s) is/are allowed. 6) ☐ Claim(s) 1 and 18-21 is/are rejected. 7) ☐ Claim(s) is/are objected to. 8) ☐ Claim(s) are subject to restriction and/or election requirement.						
Application Papers						
 9) The specification is objected to by the Examiner. 10) The drawing(s) filed on 21 October 2003 is/are: a) accepted or b) objected to by the Examiner. Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a). Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d). 11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152. 						
Priority under 35 U.S.C. § 119						
 12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) All b) Some * c) None of: 1. Certified copies of the priority documents have been received. 2. Certified copies of the priority documents have been received in Application No. 09/940,890. 3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)). * See the attached detailed Office action for a list of the certified copies not received. 						
Attachment(s)						
1) Notice of References Cited (PTO-892) 2) Notice of Draftsperson's Patent Drawing Review (PTO-948) 3) Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08) Paper No(s)/Mail Date	4) Interview Summary (Paper No(s)/Mail Da 5) Notice of Informal Pa 6) Other:					

Application/Control Number: 10/688,899 Page 2

Art Unit: 3682

DETAILED ACTION

Claim Rejections - 35 USC § 102

1. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

2. Claims 1 and 18-21 are rejected under 35 U.S.C. 102(b) as being anticipated by Brusasco (5,005,436). Brusasco discloses a ball screw nut comprising a hollow, metal screw threaded nipple (5) having a plurality of spiral grooves (6) at the inner surface for a plurality of rolling balls (7) to roll along therein, and a plastic housing (18) enclosing said screw threaded nipple, said housing and said screw threaded nipple being firmly engaged with each other, said screw threaded nipple having an elongated hole (4) extending in a direction parallel to a longitudinal axis of said ball screw nut. Several protruded blocks (22, 23) are formed on the inner surface of said housing and protrude into said hole, several circulation grooves (25, 26, 28, 29) are formed on the inner surface of each block, said spiral grooves are connected to each other by said circulation grooves, the width of said circulation grooves is slightly greater than the diameter of the balls.

Application/Control Number: 10/688,899 Page 3

Art Unit: 3682

Conclusion

3. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

4,074,587 to Brusasco

4,604,911 to Teramachi

4,887,480 to Pollo

5,303,607 to Katahira

5,974,908 to Shirai et al.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Julie K Smith whose telephone number is 703-305-3948. The examiner can normally be reached on Monday-Friday, 8-5:30, (Every other Friday off).

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, David A Bucci can be reached on 703-308-3668. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

UKS Jks

November 8, 2004

WILLIAM O JOYCE PRIMARY EXAMINER